

ABSTRACT

A planar fluorescent lamp having a first panel, a second panel, a glass rim, a venting tube, and a set of electrodes. Fluorescent layers are formed on both the first panel and the second panel. The glass rim is mounted on edges of the first and second panels. A recess and a gap are formed in the glass rim; the recess is used for placing the electrodes while the gap is reserved for installing the venting tube. The first panel, the second panel, and the glass rim are so arranged so that a cavity is formed thereby. The cavity is vacuumed via the venting tube and mercury vapor and inert gas are then introduced into the cavity.

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